EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	(laser with weld$4) and ((multi-axial) or (multiaxial) or (multi axial) and manipulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/12 08:16
S4	11	(laser with weld$4) and (robot with ((multi-axial) or (multiaxial) or (multi axial))) and manipulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/12 08:29
S28	1950	(219/121.6).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/30 16:44
S29	821	(219/121.78).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/30 16:44
S30	2013	(219/121.64).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/30 16:45
S32	75	S28 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/30 16:46
S36	6	(laser) with((multi-axial) or (multiaxial) or (multi axial)) with manipulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:02
S37	9	(laser with weld$4) and (robot with ((multi-axial) or (multiaxial) or (multi axial))) with manipulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:02

S45	4067	welding with laser with fix$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 14:50
S46	3	welding with laser with fix$3 focal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 14:50
S47	264	laser with fix$3 focal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 14:51
S49	1112	(optical or laser) with fixed focal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:09
S50	242	laser with fixed focal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:09
S51	141	laser with fixed focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:21
S52	1	welding with (optical or laser) with fixed focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:31
S53	1	weld$3 with (optical or laser) with fixed focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:32
S54	229	(optical or laser) with fixed focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:47
S55	1	S54 with weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 15:47

S56	1	welding with fixed focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 17:14
S57	141	laser with fixed focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 17:14
S63	400	laser with ((fix$2 angle)or(fix$2- angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/03 09:29
S65	2	robot with laser with ((compensat$3 motion) or (displac $3 motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/03 16:46
S66	6	robot with laser with ((compensat$3 with motion) or (displac $3 with motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/03 16:55
S67	1	robot with laser with ((compensat$3 with motion) and (displac $3 with motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/03 17:00
S68	1	robot with laser with ((compensat$3 with (motion or speed)) and (displac$3 with (motion or speed)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/03 17:52
S69	8	robot with ((compensat$3 with (motion or speed)) and (displac$3 with (motion or speed)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/03 17:52
S74	19	((multi-axial)or (multiaxial) or (multi axial)) with manipulator with (velocity or speed or movement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/04 09:58

S79	181	robot same (weld$4 machin$3) and (move$4 moving motion displ$5 translat$4) with (tool tip! electrode laser) with compensat$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/04 13:51
S90	511	(72/61).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/04 15:52
S109	516	robot with ((multi-axial)or (multiaxial) or (multi axial)) or manipulator with constant with (velocity or speed or movement or motion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/04 18:18
S110	406	robot with ((multi-axial)or (multiaxial) or (multi axial)) or manipulator with constant (velocity or speed or movement or motion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/04 18:26
S113	30	S110 with weld$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/04 18:35
S114	33	S109 with weld$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/04 18:51
S121	1389	(219/121.63).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/17 11:39
S122	115	S121 and robot with arm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 11:39

S123	55	laser with weld and ((multi-axial)or (multiaxial) or (multi axial) or manipulator) with (velocity or speed or movement or motion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:17
S124	76	laser with weld and ((multi-axial)or (multiaxial) or (multi axial) or manipulator or robor or arm) with (velocity or speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:23
S125	264	laser with weld$3 and ((multi-axial)or (multiaxial) or (multi axial) or manipulator or robor or arm) with (velocity or speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:34
S126	188	S125 not S124	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/17 14:34
S131	824	(219/121.78).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/17 18:02
S136	204	(901/20).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/18 10:59
S137	57	S136 and (speed or velocity) with arm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/18 10:59
S138	19	S136 and (speed or velocity) with (greater or faster)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/18 11:32
S139	331	("901"/$.ccls.) and (speed or velocity) with (greater or faster)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/18 11:45

S140	190	(laser with weld$3 with robot with arm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/18 14:43
S141	71	S140 and (speed or velocity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/18 14:44
S143	42	S141 and (workpiece)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/18 15:37
S148	198	(laser with weld$3 with robot with arm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/10/26 17:10
S149	27	S148 and ((speed or velocity) with (head or arm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/10/26 17:10
S154	10	((SAI-KAI) near2 (CHENG)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/03 10:33
S157	19461	laser with machining	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:38
S158	154440	"219"/$.ccls.	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:38
S159	2441	S157 and S158	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:38
S160	174912	robot or manipulator	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:39
S161	169	S159 and S160	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:39
S162	324	extention with (arm or link)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:57

S163	5	S160 and S162	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 18:57
S164	217966	robot or manipulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 19:00
S165	335	extention with (arm or link)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 19:00
S166	5	S164 and S165	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 19:00
S167	9881	"901"/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 19:04
S168	2	S165 and S167	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 19:04
S169	59615	"700"/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/03 19:05
S173	8	((PETER) near2 (RIPPL)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/07 17:05
S175	842	(219/121.78).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/07 17:21
S176	1	S175 and robot with laser with ((compensat$3 with motion) and (displac $3 with motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:21
S177	1	robot with laser with ((compensat$3 with motion) and (displac $3 with motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:21

S178	1	(robot or manipulator) with laser with ((compensat$3 with motion) and (displac $3 with motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:22
S179	1928	((compensat$3 with motion) and (displac $3 with motion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:23
S180	3	S175 and S179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:24
S181	9886	"901"/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:25
S182	16	S181 and S179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:25
S183	262	laser and extention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:41
S184	2	laser and (extention near arm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:41
S186	1007	(robot or manipulator) and (extension near (arm or hand))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:44
S187	169	S186 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:44
S189	838	S186 not S187	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 17:59

S191	194	S186 and weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 18:49
S192	2318	laser with focal distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 20:28
S194	104	S192 and ("150 mm" or "200 mm" or "300 mm" 0r "400 mm")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 20:31
S195	11	S194 and weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 20:35
S196	1	(laser with weld$3) and (controllable near scanning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 21:05
S197	38	(laser with weld$3) and (controll$3 near scanning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/07 21:05
S199	56	weld$3 with (robot or manipulator) and (extension near (arm or hand))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/08 12:32

EAST Search History (Interference)

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